

LEUSHKINA, A.M.

Precise method of calculating sun devices for conditions prevailing in
the Golodnaya Steppe. Sbor.nauch.trud.TashNTIS no.5:64-69 '63.
(MIRA 1821)

22972

S/166/61/000/002/003/005
B112/B202

9.4300
AUTHORS: Zvyagin, V. I., Lobanov, Ye. M., Leushkina, G.,
Bartnitskiy, I. N.

TITLE: Anomalously negative current and anomalously positive
photocurrent

PERIODICAL: Izvestiya Akademii nauk UzSSR. Seriya fiziko-matematicheskikh
nauk, no. 2, 1961, 29 - 32

TEXT: The authors observed the following behavior of germanium: If a voltage is applied, the inverse current increases to a certain maximum value after which it slowly decreases to a value near the saturation value of the current. Irradiation with visible light causes an increase of the inverse current up to a certain value which is much higher than the value of the ordinary positive photocurrent. Due to this behavior, the authors use the term "anomalously negative" current and "anomalously-positive" photocurrent in contrast to the ordinary current and photocurrent. An "anomalously positive" current and an "anomalously negative" photocurrent correspond to the "pre-anomalous" behavior. The analysis of experimental

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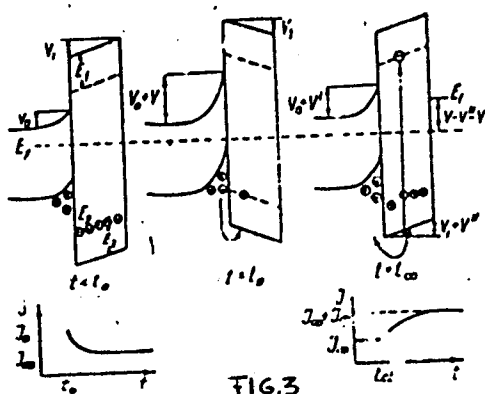
22972

S/166/61/000/002/003/006

B112/3202

Anomalously negative...

data yielded more exact data on the energy scheme of the germanium surface. This scheme is reproduced in Fig. 3.



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B112/B202

Anomalous negative...

In equilibrium state, the potential difference between inversion layer with a potential $V_0 + V'$ and the oxidation layer with a potential $V_1 + V''$ corresponds to the external voltage. The authors give empirical formulas for the transition characteristics of the anomalously negative current and the anomalously positive photocurrent:

$$I(t) = I_{\infty} - A_1 \ln(1 - C_1 e^{-\alpha_1 t})$$

characterizes the transition state of the anomalously negative current. I_{∞} is the value of the dark current, A_1 , C_1 , α_1 are constants depending on voltage and temperature. The transition characteristics of the anomalously positive photocurrent is given by the formula:

$$I(t) = I_{\infty} + [I_{ph} + A_2 \ln(1 - C_2 e^{-\alpha_2 t})]$$

where I_{ph} is the value of the stationary photocurrent, A_2 , C_2 , α_2 are constants depending on voltage, temperature, and illumination. The inverse current which appears after the illumination is switched off, has the following transition characteristics:

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Anomalously negative...

S/166/61/000/002/003/006

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$$I(t) = I_{\infty} + I_{ph} - \left[I_{ph}' + A_3 \ln(1 - C_3 e^{-\alpha_3 t}) \right].$$

There are 3 figures and 2 Soviet-bloc references.

ASSOCIATION: Institut yadernoy fiziki AN UzSSR (Institute of Nuclear Physics, Academy of Sciences, UzSSR)

SUBMITTED: November 10, 1960

Card 4/4

ACCESSION NO: AP4013028

3/0166/63/000/006/0098/0099

AUTHORS: Leushkina, G. V.; Zvyagin, V. I.; Lobanov, Ye. M.; Dumov, A. G.

TITLE: Fluorescence of silicon carbide

SOURCE: AN UzSSR. Seriya fiziko-matematicheskikh nauk, ¹no. 6, 1963, 98-99

TOPIC TAGS: fluorescence, lattice defect, radiation effect, neutron irradiation, gamma ray irradiation, alpha particle irradiation

ABSTRACT: Samples of SiC produced by vacuum recrystallization were irradiated with neutrons, gamma-rays, and alpha-particles to determine their influence on fluorescence of samples at room temperature. For neutron fluxes of $5 \cdot 10^{11}/\text{cm}^2$ the intensity of fluorescence decreased by a factor of 7 in the short ($\sim 6000 \text{ \AA}$) and a factor of 2 in the longer wave length region of the spectrum. The fluorescence disappeared completely for a neutron flux of $2 \cdot 10^{17}/\text{cm}^2$. No significant difference was noted with or without cadmium filters, indicating that the effect is primarily due to fast neutrons. Irradiation of the samples with gamma rays of Co^{60} produced no noticeable change in intensity of fluorescence for doses of $5 \cdot 10^{17}$ photons/ cm^2 , and a slight decrease for doses of $10^{19}/\text{cm}^2$. Likewise, alpha

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ACCESSION NO: AP4013028

particles from a polonium source with a flux of $3 \cdot 10^8/\text{cm}^2$ had no effect on the intensity. No change was noted after reducing the samples to a powder. From these results it is concluded that the fluorescence of SiC is not related to superficial lattice defects. Orig. art. has: 1 diagram.

ASSOCIATION: Institut yadernoy fiziki AN UzSSR (Institute of Nuclear Physics AN UzSSR)

SUBMITTED: 02Apr63

DATE ACQ: 03Mar64

ENCL: CO

SUB CODE: MA, PH

NO REF SOV: 002

OTHER: 001

Card 2/2

L 45321-66 EWP(e)/EMT(m)/ELP(t)/ETI JRP(c) JD/JG/WH
ACC NR: AP6024291 SOURCE CODE: UR/0075/66/021/007/0867/0870

AUTHOR: Lobanov, Ye. M.; Dutov, A. G.; Leushkina, G. V. 418
B

ORG: Institute of Nuclear Physics, Academy of Sciences Uzbek SSR, Tashkent
(Institut yadernoy fiziki AN UzSSR)

TITLE: Determination of ²¹dysprosium in samples of ²¹yttrium ²¹oxide and ferrite
garnets by a method of radioactivation 19

SOURCE: Zhurnal analiticheskoy khimii, v. 21, no. 7, 1966, 867-870

TOPIC TAGS: dysprosium, radioactivation method, yttrium oxide, ferrite, garnet,
YTTRIUM COMPOUND, CHEMICAL DETECTION

ABSTRACT: A method has been developed for determining dysprosium in samples
of yttrium oxide and ferrite garnets using the isomer ^{165m}Dy with a half-life of
1.3 min. The sensitivity of determination is 10⁻⁴ to 10⁻⁵% of Dy. The mean
experimental error is 9% on condition that intervals between measurements are
strictly maintained. Orig. art. has: 2 figures and 1 table. [Based on authors'
abstract] [KP]

SUB CODE: 0720/ SUBM DATE: 20Jan65/ ORIG REF: 002/ OTH REF: 004/

Card 1/1 mjs

UDC: 543.53

VLASYUK, Petr Antipovich, akademik, zasl. deyatel' nauki USSR; PROTSENKO, D.P., doktor biolog. nauk, prof., otv. red.; LEUSKIY, A.V. [Leus'kyi, A.V.], red.; MATVIICHUK, O.A., tekhn. red.

[Mineral fertilizers with trace elements] Mineral'ni dobryva z mikroelementamy. Kyiv, 1961. 49 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrain's'koi RSR. Ser.5, no.16) (MIRA 14:11)

1. Chlen-korrespondent Ukrainskoy Akademii sel'skokhozyaystvennykh nauk (for Protsenko).
(Fertilizers and manures) (Trace elements)

ISAYEV, Ye.I.; LEISOV, Yu.I.; GIKHSEVKO, V.V.; LAPITSKIY, V.I., prof.
nauchnyy rukovoditel' ratsy.

Using exothermic ferromanganese in the manufacture of medium-
manganese steel. Izv. vyz. ucheb. zav.: Chern. met. 7 no.12:
36-40 1984 (MIRA 12:1)

1. Dnepropetrovskiy metallurgicheskii institut.

LAPITSKIY, V.I., doktor tekhn. nauk [deceased]; LEUSOV, Yu.I.;
ISAYEV, Ye.I., kand. tekhn. nauk; OLEKSENKO, V.V.

Intensification of the process of steel deoxidation. Met.
i gornorud. prom. no.3:28 My-Je '65. (MIRA 18:11)

YAMPOL'SKIY, Anatoliy Mikhaylovich, inzh.; LEUSSKIY, I.F., inzh., retsenzent;
VIACHESLAVOV, P.M., dots., kand. khim. nauk, red.; GRILIKHES, S.Ya.,
kand. tekhn. nauk, red.; VARKOVITSKAYA, A.I., red. izd-va; SOKOLOVA,
L.V., tekhn. red.

[Electroplating with rare and precious metals] Gal'vanotekhnika
dragotsennykh i redkikh metallov. Pod obshchei red. P.M.Viacheslavova.
Moskva, Gos. nauchno-tekhn. izd-vo mashino-stroit. lit-ry, 1958.
41 p. (MIRA 11:9)

(Electroplating)

S/048/62/026/007/017/030
B104/B138

AUTHORS: Vovk, V. N., Goreva, Ye. I., Kulik, S. I., and Leuta, T. M.

TITLE: Experience gained with the operation of two APC-10 (DFS-10) instruments in the Dneprospetsstal' plant

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 26, no. 7, 1962, 907-913

TEXT: Two DFS-10 quantometers were put into operation in November 1960 for analyzing low- and medium-alloy steels. Rapidity and accuracy were satisfactory as also was the amplifying and recording unit. The following drawbacks were found: (1) As it is not always possible to create the necessary air-conditioning a cooling unit should be fitted. (2) Problems of steel analysis cannot always be solved by low-voltage sparks and arcs. A condensed spark generator should therefore be included. (3) Due to variations in battery voltage, the calibration of the instrument is gone in the course of one day. (4) The ГЗУ-1 (GEU-1) generator does not provide for continuous operation of the instrument, as repairs take half the time. On medium-alloy steels accuracy of

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S/048/62/026/007/017/030

Experience gained with the operation ... B104/B138

analysis is almost twice that of optical methods, except for Si and Mn, where it is about the same. A 25% staff reduction can be achieved if this instrument is used in quick-analysis laboratories. There are 3 figures and 10 tables.

Card 2/2

VOVK, V.N.; GOREVA, Ye.I.; KULIK, S.I.; LEUTA, T.M.

Experience gained in the use of two DFS-10 apparatus at the
Dneprospetsstal' Plant. Izv. AN SSSR. Ser. fiz. 26 no.7:
907-913 J1 '62. (MIRA 15:8)
(Spectrum analysis--Equipment and supplies)

GOREVA, Ye.I.; KULIK, S.I.; LEUTA, T.M.

Operating experience with the DFS-10 photoelectric apparatus at
the "Dneprospetsstal" plant. Zav.lab. 29 no.11:1393-1395 '63.
(MIRA 16:12)

ЛЕУТА, В.И.

ЛУКС, С.И., кандидат технических наук, dotsent; БРАУН, М.П., доктор
технических наук, редактор; ~~ЛЕУТА, В.И., инженер, редактор;~~
БУДНЕСКИЙ, Я.В., технический редактор

[Heat treatment of cast iron] Termicheskaya obrabotka chuguna.
Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1954.
144 p. (MLRA 8:3)
(Cast iron) (Metals—Heat treatment)

KORENYAKO, Aleksandr Stepanovich; KREMENSHTYIN, Lev Issakovich; PETROVSKIY, Sergey Dmitriyevich; OVSIYENKO, Grigoriy Mikhaylovich; BAKHANOV, Vasilii Yefimovich; LEUTA, Y.I., inzh., red.; RUDENSKIY, Ya.V., tekhn.red.

[Theory of mechanisms and machines; manual for the course in designing] Teoriia mekhanizmov i mashin; rukovodstvo po kursovomu proektirovaniu. Pod red. A.S.Koreniako. Izd.2., dop. i perer. Kiev, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1956. 206 p. (MIRA 12:3)

(Mechanical engineering)

(Machinery)

KURMENDASH, Rostislav Stefanovich; RADCHIK, A.S., dots., kand. tekhn. nauk,
retsensent; LEUTA, V.I., inzh., red.; HUDENSKIY, Ya.V., tekhn.
red.

[Construction of springs] Konstruirovaniye pruzhin. Kiev, Gos.
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1958. 106 p.
(Springs (Mechanism)) (MIRA 11:8)

KOMAROV, Mikhail Stepanovich, prof., doktor tekhn. nauk.; BHOYDO, B.Ye., dots.,
kand. tekhn. nauk, retsenzent.; LEUTA, V.I., inzh., red.

[Determining rated loads of industrial machinery and technical
devices] Opradelenie raschetnykh nagruzok proizvodstvennykh
mekhanizmov i mashin. Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit.
lit-ry, 1958. 141 p. (MIRA 11:11)
(Machinery--Tables, calculations, etc.)

PARAMONOVA, Zoya Alekseyevna; STAROSHEL'SKIY, A.A., dotsent, retsenzent;
LEUTA, V.I., insh., red.; HUDENSKIY, Ya.V., tekhn.red.

[Designing shafts and axles] Konstruirovaniye valov i osel.
Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit.lit-ry, 1958.

142 p.

(Axles)

(Shafting)

(MIRA 12:5)

BOGDANOVICH, Leonid Boleslavovich; BASHTA, T.M., prof., doktor tekhn. nauk, retsenzent; LEUTA, V.I., inzh., red.; HUDENSKIY, Ya.V., tekhn. red.

[Hydraulic mechanisms for translational motion; designs and construction] Gidravlicheskie mekhanizmy postupatel'nogo dvizheniya; skhemy i konstruktsii. Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1958. 180 p. (MIRA 11:10)
(Hydraulic machinery)

AL'SHITS, Isaak Yakovlevich, kand.tekhn.nauk; VERZHBITSKIY, Nikolay
Fedorovich, kand.tekhn.nauk; ZOMMER, Eduard Feliksovich, kand.
tekhn.nauk; RADCHIK, V.S., kand.tekhn.nauk, retsenzent;
KUKIBNYI, A.A., kand.tekhn.nauk, red.; LEUTA, V.I., inzh.,red.

[Sliding bearings] Opory skol'zheniya. Kiev, Gos.nauchno-tekhn.
izd-vo mashinostroit. lit-ry, 1958.195 p. (MIRA 11:12)
(Bearings (Machinery))

MOGIL'NYY, Iona Minayevich, dots., kand. tekhn. nauk; LISITSIN, S.V., inzh.,
retsensent; LEUTA, V.I., inzh., red.; RUDEMSKIY, Ya.V., tekhn.
red.

[Mechanical drawing] Tekhnicheskoe cherchenie. Izd.5., perer. i
dop. Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry,
1958. 391 p. (MIRA 11:9)

(Mechanical drawing)

BRISTOL', Boris Nikolayevich; PREYS, G.A., kand.tekhn.nauk, retsenzent;
SIVOY, A.V., dotsent, retsenzent; OLEYNIK, N.V., dotsent, red.;
LEUTA, V.I., red.

[Designing attachments for machine tools] Konstruirovaniye pri-
sposoblenii dlia metalloreshushchikh stankov. Moskva, Gos.nauchno-
tekhn.izd-vo mashinostroit.lit-ry, 1959. 238 p. (MIRA 13:3)
(Machine tools--Attachments)

BONDAR', Mikhail Pavlovich; LOPATA, Aleksandr Yakovlevich; ORLIKOV,
Mikhail L'vovich; KUPFURSKIY, I.I., inzh., retsentsent; KORSHUNOV,
V.V., retsentsent; LEUTA, V.I., inzh., red.; SOROKA, M.S., red.

[Automatic and semiautomatic lathes] Tokarnye avtomaty i polu-
avtomaty. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry,
1959. 450 p. (MIRA 12:5)

(Lathes)

KHAYMOVICH, Yefrem Moyseyevich, prof., doktor tekhn.nauk; VLADZIYEVSKIY, A.P., doktor tekhn.nauk, retsenzent; KARLEVITS, V.Ya., inzh., retsenzent; ~~LEUTA~~, V.I., inzh., red.; SOROKA, M.S., red.

[Hydraulic drives and hydraulic control of machine tools] Gidro-privody i gidroavtomatika stankov. Izd.2., perer. i dop. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1959. 553 p.
(MIRA 12:12)

(Machine tools--Hydraulic driving)
(Hydraulic control)

VOYEVODSKIY, Sergey Alekseyevich, inzh.; KHASKIN, Abram
Mikhaylovich, inzh.; KRASNITS, Zyama Yakovlevich, inzh.;
ALENICHEVA, Ye.A., inzh., retsenzent; ZHAVORONKOVA, N.N.,
inzh., retsenzent; KYUN, S.A., kand. tekhn. nauk,
retsenzent; PUCHKO, N.F., inzh., retsenzent; UMANOV, I.I.,
inzh., retsenzent; LEUTA, V.I., inzh., retsenzent

[Course in mechanical drawing for correspondence technical
schools] Kurs chercheniia dlia zaochnykh tekhnikumov. Kiev,
Tekhnika. Pt.2. 1965. 319 p. (MIRA 18:8)

COUNTRY : USSR
CATEGORY : Cultivated Plants. Grains. M
ABST. JOUR. : RZBiol., No.21, 1958, No. 95903
AUTHOR : Lentin, P.S.
INST. : Voronezh Agric. Inst.
TITLE : Experiments in Planting Winter Crops after
an Occupied Fallow and Non-Fallow Preceding
Crops
ORIG. PUB. : Zap. Voronezhsk. s.-kh. in-ta, 1957, 27, No.
2, 231-238
ABSTRACT : No abstract

CARD: 1/1

L 13663-63

EMP(j)/EWT(m)/BDS

AFPTC/ASD

Po-4

RM

ACCESSION NR: AP3001429

S/0138/63/000/004/0021/0022

AUTHOR: Yukel'son, I. I.; Slukin, A. D.; Leutina, V. P.

TITLE: Compatibility of arylenealkyl polymers with natural and synthetic rubbers

SOURCE: Kauchuk i rezina, no. 4, 1963, 21-22

TOPIC TAGS: arylenealkyl polymer, natural rubber, synthetic rubber, plasticizer, carbochain polymer

ABSTRACT: The present work was undertaken for the purpose of locating plasticizers which would not impair the strength of rubbers. To this end arylenealkyl-polymers were chosen which were of linear structure and in a liquid state, such as polyphenyleneethyl, polyethylphenyleneethyl, polychlorophenyleneethyl, and polyxylileneethyl. The compatibility of these with rubbers was determined by the kinetics of their swelling, which was estimated gravimetrically. The rubbers under test were the NK, the SKS-30 ARM, and the SKI-3. The kinetics of their compatibility with the oil PN-6 were taken as a standard. The compatibility of all arylenealkylpolymers, with the exception of the chloro-derivative, was far superior to that of the oil PN-6. The low polarity of the former and the high polarity of the chloro-derivative may have been responsible for the

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L 13663-63

ACCESSION NR: AP3001429

difference. Rubbers SKI-3 and SKS-30 ARM showed the best compatibility with polyethylphenyleneethyl of molecular weight 1400 and with polychlorophenyleneethyl of molecular weight 1870, while natural rubber was most compatible with polyphenyleneethyl of molecular weight 1580. G. D. Alekseyeva participated in the determination of the decomposition temperatures of the polymers. Orig. art. has: 1 formula, 2 charts, and 1 table.

ASSOCIATION: Voronezhkiy tekhnologicheskii institut (Voronezh Technological Institute)

SUBMITTED: 00

DATE ACQ: 30May63

ENCL: 00

SUB CODE: 00

NO REF SOV: 005

OTHER: 000

Card 2/2

LEUTSKAYA, Z. K.

USSR/ Chemistry - Biochemistry

Card 1/1 Pub. 22 - 31/54

Authors : Leutskiy, K. M., and Leutskaya, Z. K.

Title : Relation between the vitamin A and carotene content in the organism and presence of albumina in the food

Periodical : Dok. AN SSSR 100/3, 519-520, Jan 21, 1955

Abstract : Experiments were conducted on white male rats to determine to what extent vitamin A and carotene contents in the animal organism depend upon the albumin content in the food. The results obtained are tabulated. Four references: 2 USSR, 1 Canadian and 1 USA (1934-1952). Table.

Institution : State University, Chernovtsy

Presented by: Academician A. I. Oparin, November 11, 1954

LEUTSKAYA, Z.K.

Effect of vitamin A on the nucleic acid content and on protein synthesis in the organism [with summary in English]. Biul. eksp. biol. i med. 44 no.10:57-59 0 '57. (MIRA 11:2)

1. Iz kafedry biokhimii zhivotnykh (zav. - deystvitel'nyy chlen AMN SSSR S.Ye. Severin) Moskovskogo gosudarstvennogo ordena Lenina universiteta imeni M.V. Lomonosova (rektor - akademik I.G. Petrovskiy) Predstavlena deystvitel'nyy chlenom AMN SSSR S.Ye. Severnyy.

(NUCLEIC ACIDS, metabolism,
eff. of vitamin A (Rus))

(SERUM ALBUMIN,
eff. of vitamin A on synthesis (Rus))

(VITAMIN A, effects,
on nucleic acid content & serum albumin synthesis (Rus))

LEUTIKAYA, L.K.

Electrophoretic study of serum proteins in developing
immunity to *Ascaridia galii*. Trudy Gal. 1962. 34 128-130 1962.

(MIRA 17 10)

LEUTSKAYA, Z.K.

Content of various forms of vitamin A in the liver and liver
mitochondria immunized with an antigen from *Ascaridia galli*
of chicks deprived of vitamin A. Dokl. AN SSSR 159 no.2:
464-465 N '64. (MIRA 17:12)

1. Predstavleno akademikom K.I. Skryabinym.

LEUTSKAYA, Z.K.

Level of antibodies in chicks suffering from vitamin A deficiency and immunized with an antigen from *Ascaridia galli* nematodes.
Dokl. AN SSSR 159 no.4:938-940 D '64 (MIRA 18:1)

1. Gel'mintologicheskaya laboratoriya AN SSSR i Nauchno-issledovatel'skaya laboratoriya vitaminov Chernovitskogo gosudarstvennogo universiteta. Predstavleno akademikom K.I. Skryabinym.

LEUTSKAYA, Z. K., Cand of Bio Sci -- (diss) "Study of the Interconnection
and Metabolism of Vitamin A and Protein," Mos, 1959, 15 pp (Moscow
State Univ in Lomonosov, Chair of the Biochemistry of Animals)
(KL, 1-60, 120)

LEUTSKAYA, Z.K.

Precursors of vitamin A in Ascaris suum. Trudy Gel'm.lab.
11:159-161 '61. (MIRA 15:12)
(Vitamins--A) (Ascarids and ascariasis)

LEUTSKAYA, Z.K.

Effect of vitamin A on the process of antibody formation
after the immunization of chickens with an antigen from the
nematode *Ascaridia galli*. Dokl. AN SSSR 153 no.1:243-245
N '63. (MIRA 17:1)

1. Predstavleno akademikom K.I. Skryabinym.

LEUTSKAYA, Z.K.

Study of the role of vitamin A in the formation of antibodies
in chickens infested with *Ascaridia galli*. Trudy Gel'm. lab.
15:105-111 '65 (MIRA 19:1)

^{M.}
LEUTSKIY, K. [Leuts'kyi, K.M.]; LYUBOVICH, Ye.N. [Liubovych, I.E.M.]

Certain aspects of interrelation in the metabolism of ubiquinone,
cholesterol, and vitamin A. Ukr.biokhim.zhur. 37 no.5:742-750
'65. (MIRA 18:10)

1. Kafedra biokhimi i nauchno-issledovatel'skaya laboratoriya
vitaminov Chernovitskogo gosudarstvennogo universiteta.

LEUTSKIY, K.M. [Leuts'kyi, K.M.]; FESUN, M.Ya.; MARDAREVICH, M.D.
[Mardarevych, M.D.]; GLEBOVA, V.M. [Hliebova, V.M.]

Content of vitamin A and its fractions in the liver and its
mitochondria following different protein diet. Ukr. biokhim.
zhur. 36 no. 4:574-583 '64. (MIRA 18:12)

1. Nauchno-issledovatel'skaya laboratoriya vitaminov Chernovitskogo gosudarstvennogo universiteta.

LEV, A

M

8

Copper Plating: Cyanide-Free Electrolyte for Coppering Steel. A. Lev
(Electroplating, 1947, 1, (1), 25-28).—An abridged translation of Zher. Prikl.
Khim., 1941, 14, (1), 74-78; see Met. Abs., 1942, 9, 153.—J. L. T.

250-550 METALLURGICAL LITERATURE CLASSIFICATION

2500 57001194

101003 117 019 304

COLLECTOR

21 11 1 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Rev. H. H.

DAVIDENKOV, S.N.; LEV, A.A.

Problem of focal epilepsy in relation to electroencephalographic data.
Zh. nevropat. psikhiat., Moskva 52 no. 6:37-42 June 1952. (CML 23:3)

KOVNATSKIY, M.A.; VELIKSON, I.M.; LEV, A.A.; ROZENTSVIT, G.E.

Neurodynamic changes in silicosis and silicatosis. Bro'ba s sil.
2:263-269 '55. (MLRA 9:5)

1. Leningradskiy nauchno-issledovatel'skiy institut gigiyeny truda
i profzabolevaniy.
(LUNGS--DUST DISEASES) (NERVOUS SYSTEM--DISEASES)

EXCERPTA MEDICA Sec.2 Vol.10/7 Phy.Biochem. July 57

3005. LEV A. A. Lab. of Electrophysiol., Res. Inst. of Phys. Therap., Leningrad *Electroencephalographic patterns of cortical excitability (Russian text)* Fiziol. Z. 1956, 42/12 (1021—1031) Graphs 1 Illus. 4

The intensity of minimal (threshold) stimulation by means of electrodes implanted into cortical areas, eliciting a motor response, was determined in rabbits under basal conditions and with increased cortical excitability (strychnine, caffeine, amphetamine). Close correlation of these data with EEG records obtained during rhythmical stimulation with light flashes of increasing intensity shows that "curves of reactivity" as suggested by Livanov (Probl. sovrem. psikhiat. 1948, p. 55) provide a sensitive method of estimating levels of cortical excitability. With increased cortical excitability the frequency and amplitude of the slow waves decrease, without significant change of the higher frequency components.

Simonson — Minneapolis, Minn.

USSR/Human and Animal Physiology - Nervous System. Sleep.

T-10

Abs Jour : Ref Zhur - Biol., No 18, 1953, 34622

Author : Gal'vas (Blagodatova), Ye.T., Lev, A.A.

Inst : Institute of Physiology, AS USSR

Title : Studying the Functional State of the Cortex and of the Hypothalamic Brain Sector in Rabbits during Amytal Sleep.

Orig Pub : Tr. In-ta fiziol. AN SSSR, 1957, 6, 59-68.

Abstract : As rabbits were put to sleep with subcutaneous injections of a 2 percent solution of sodium amytal (30-40 or 60 mg/kg), rhobase increases were noted by comparison to the initial wakeful state, also increases of the duration of stimulus effects. The magnitude of increases was established by measuring the tension-time curve (electric stimuli of $1\frac{1}{2}$ -50 imp/sec were applied, and the duration of stimulation was 100-0.02 n/sec); the curve for each frequency

Card 1/2

12. 12. 12.
IEV, A.A.

Diagnostic possibilities of electroencephalography in epilepsy
[with summary in French]. Zhur.nevr. i psikh. 57 no.10:1210-1218
'57. (MIRA 10:12)

1. Kafedra nervnykh bolezney (zav. - prof. S.N.Davidenkov) Lenin-
gradskogo instituta usovershenstvovaniya vrachey.
(EPILEPSY, diagnosis,
EEG (Rus))
(ELECTROENCEPHALOGRAPHY, in var. dis.
epilepsy, diag. value (Rus))

LEV, A.A., ROZENTAL', D.L.

Sorption of vital stains by the spinal ganglia of the frog as affected by their functional state [with summary in English]. Biofizika 3 no.4:413-421 J1-Ag '58 (MIRA 11:8)

1. Institut tsitologii AN SSSR, Leningrad.
(STAINS AND STAINING (MICROSCOPY))
(SPINAL CORD)

LEV, A.A.; NIKOL'SKIY, N.N.; ROZENTAL', D.L.; SHAPRIO, Ye.A.

Spreading of excitation in the giant nerve fiber of a Pacific squid.
TSitologiya 1 no.6:665-671 N-D '59. (MIRA 13:4)

1. Laboratoriya fiziologii kletki Instituta tsitologii AN SSSR,
Leningrad.

(NERVES)

(ELECTROPHYSIOLOGY)

LEV, A.A.

Changes in the sorption of dyes by spinal ganglia of the frog as influenced by the frequency and strength of stimulation of the sciatic nerve [with summary in English]. Biofizika 4 no.2:144-152 '59. (MIRA 12:4)

1. Institut tsitologii AN SSSR, Leningrad.

(GANGLIA, SPINAL, physiol.

eff. of sciatic nerve stimulation on sorption of dye in frog, role of frequency & force of stimulus (Rus))

(NERVES, SCIATIC, physiol.

eff. of stimulation frequency & force on sorption of dye by spinal ganglia in frogs (Rus))

DAVIDENKOV, S.N., prof.; GAKKEL', L.B., prof.; KUPALOV, P.S., prof.;
GALKIN, V.S., prof. [deceased]; POPOV, Ye.A., prof.; USPENSKIY,
Ye.A., doktor med.nauk; TYAPUGIN, N.P., kand.med.nauk; LEV,
A.A., kand.med.nauk; FILIMONOV, N.I., zamestitel' otv.red.;
BOGOLEPOV, N.K., prof., red.; MIKHEYEV, V.V., prof., red.;
HAZDOL'SKIY, I.Ya., red.; FUTER, D.S., prof., red.; ROGOVER,
A.B., kand.med.nauk, red.; RULEVA, M.S., tekhn.red.

[Multivolume manual on neurology] Mnogotomnoe rukovodstvo po
nevrologii. Leningrad, Gos.izd-vo med.lit-ry. Leningr.otd-nie.
Vol.6. [Neuroses, epilepsy, and narcolepsy] Nevrozy, epilepsia
i narkolepsia. Red.toma S.N.Davidenkov. 1960. 532 p.
(MIRA 13:8)

1. Deystvitel'nyye chleny AMN SSSR (for Davidenkov, Kupalov,
Popov). 2. Chleny-korrespondenty AMN SSSR (for Filimonov, Raz-
dol'skiy).

(NEUROLOGY)

LEV, A.A.; BATUYEVA, I.V.

Potentials of the single nerve cells of the spinal ganglia of a
frog in rhythmic stimulation. TSitologiya 3 no.5:545-559 S-0 '61.
(MIRA 14:10)

1.Laboratoriya fiziologii kletki Instituta tsitologii AN SSSR,
Leningrad.

(NERVES, SPINAL)

POLYANSKIY, Yu.I.; ZHIRMUNSKIY, A.Y.; LEV, A.A.

Afanasii Semenovich Troshin; on his 50th birthday. Arkh.
anat., gist. 1 embr. 44 no.2:116-119 F '63.

(MIRA 17:2)

LEV, A.A.

Possibility of studying intracellular potassium activity by
using K^+ -sensitive microelectrodes. Trudy MOIP. Otd. biol.
9:30-34 '64. (MIRA 18:1)

1. Institut tsitologii AN SSSR, Leningrad.

LEV, A.A.

Determining the activity and flux of sodium ions in the muscle fibers of a frog with the help of sodium-sensitive glass microelectrodes. *Plastika V n. 1, 1974, p. 104.*

1. Institut tsitologii AN SSSR, Leningrad.

UTEUSH, E.V.; YEMEL'YANOV, D.S.; LEV, A.A.; UTEUSH, Z.V.

Automation of crushing cycles in ore dressing plants. Biul.
tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh.
inform. 17 no.2:79-82 '64. (MIRA 17:6)

SOV/6205

Basic Problems in the (Cont.)

COVERAGE: The present book is a collection of articles presented at the Symposium on Electrophysiology held in Kiyev on 1-2 July 1961. The articles in the collection are grouped into the following sections: 1) Electrophysiology of neurons (sensory, motor, and relay neurons of the spinal cord, and neurons of the retina); 2) Induced electrical potentials of the cerebral cortex; and 3) Background rhythms of the cerebral cortex. References are given following the individual chapters. No personalities are mentioned.

TABLE OF CONTENTS:

General Problems of Neuron Electrophysiology (P. G. Kostyuk, Kiyev)	5
Electrophysiology of Retinal Neurons (A. L. Byzov, Moscow)	29
Electrophysiology of Neurons of the Spinal Ganglia of Frogs (A. A. Lev, Leningrad)	40

Card B/D
2/2

LEV, A. A.

PHASE I BOOK EXPLOITATION

SOV/6205

Makarchenko, A. F., Resp. Ed.

Osnovnyye voprosy elektrofiziologii tsentral'noy nervnoy sistemy
(Basic Problems in the Electrophysiology of the Central Nervous System) Kiyev, Izd-vo AN UkrSSR, 1962. 231 p. Errata slip inserted. 1600 copies printed.

Sponsoring Agency: Vsesoyuznoye fiziologicheskoye obshchestvo im. I. P. Pavlova. Institut fiziologii im. A. A. Bogomol'tsa Akademii nauk USSR.

Eds.: A. F. Makarchenko, Resp. Ed.; D. S. Vorontsov, P. G. Kostyuk, F. N. Serkov; Resp. Secretary: I. P. Semenyutin; Tech. Ed.: Yu. M. Bokhno.

PURPOSE: This book is intended for physiologists who are interested in recent advances in electrophysiology.

Card 1/02

MARTIROSOV, S.M.; LEV, A.A.

Membrane potential of muscle fibers with a reduced intracellular potassium content. TSitologiya 7 no.2:181-188 Mr-Apr '65. (MIRA 18:7)

1. Laboratoriya fiziologii kletki Instituta tsitologii AN SSSR, Lenin-grad.

COUNTRY : Czechoslovakia
 CATEGORY :
 ABS. JOUR. : RZKhim., No. 1959, No. 8/386
 AUTHOR : Lev, A.
 INST. :
 TITLE : Hardening Glazing Tile

ORIG. PUB. : Stavivo, 1959, 37, No 2, 55-56

ABSTRACT : Description of the procedure of utilizing clay-cement mix for the production of glazing tile (GT) (Czechoslovak Patent 86 950). A flow-sheet of production is shown. To the clay paste having a water content of about 12% are added a, approximately 25% of cement with a catalyst, for example $Al_2(SO_4)_3$. GT are treated in an autoclave at about 180° and 1 atmosphere, after which they are coated with low-melting glaze (firing at about 700°), or with plastics. The new technology is simpler than the presently utilized, requires no complex equipment, the process of making GT requires 6 days in lieu of the usual 36.
 Ya. Satunovskiy.

CARD:

204

Lev, A. "The catalytic reaction of certain acids on the process of polymerization of methyl methacrylate," Uchen. zapiski (Sarat. gos. un-t im. Gergor'evskogo), Vol. 141, Vyp. Khim., 1949, p. 161-71

SO: U-4934, 27 Oct 53 (Zapiski Zhurnal 'Inzh. Statoy, No. 16, 1949)

LEV, I.D.

Sensory innervation of the renal veins in man. Urologia no.4:41-47
O-D '55. (MIRA 9:12)

1. Iz kafedry normal'noy anatomii (nach., chlen-korrespondent AMN SSSR
general-mayor meditsinskoy sluzhby prof. B.A.Dolgo-oburov) Voenno-
meditsinskoy ordena Lenina akademii imeni S.M.Kirova.
(KIDNEYS, blood supply
veins, sensory innervation)

LEV, I.D.

Professor Vladimir Nikolaevich Tonkov, 1872-1954; brief survey of his life and scientific, pedagogical and public activities. Arkh. anat. gist. 1 embr. 32 no.3:3-19 J1-S '55. (MLRA 9:5)

1. Iz kafedry normal'noy anatomii (nach.-prof. B.A. Dolgo-Saburov) Voenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

(OBITUARIES,

Tonkov, Vladimir N.)

(BIOGRAPHIES,

Tonkov, Vladimir N., bibliog)

LEV, I.D.

Encapsulated receptors of the lymph nodes in man. Biol. eksp. biol.
i med. 40 no.11:73-76 N. '55. (MLRA 9:1)

1.Iz Voenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.
(LYMPH NODES, innervation,
encapsulated receptors)

DOLGO-SABUROV, Boris Alekseyevich, professor; LEV, I.D., redaktor;
KHARASH, G.A., tekhnicheskiy redaktor

[Anastomosis and collateral circulation in man] Anastomozy i puti
okol'nogo krovoobrashcheniia u cheloveka. Izd. 3-e, perer. i dop.
[Leningrad] Gos. izd-vo med. lit-ry, Leningradskoe ot-nie, 1956.
141 p. (MIRA 9:12)
(BLOOD—CIRCULATION)

LEV I.D.
EXCERPTA MEDICA Sec.5 Vol.10/5 Gen.Pathology May57

1548. LEV I.D. *The pathological morphology of interneuronal synapses in the autonomic ganglia of the renal plexus in man (Russian text) ARKH.PATOL. 1956, 18/5 (64-69) illus. 5 Investigations were concerned with the ganglionic network of the renal vein in 16 cadavers (causes of death: arteriosclerosis, renal tb, pheochromocytosis, duodenal carcinoma, cancer of the bladder and of the maxillary sinus, and Hodstein's disease); specimens were stained according to Bielschowsky-Gros. Impregnation of the synaptic structures was good and revealed neur. endings the size of pin-points or club-shaped on the ganglion cells or in the immediate vicinity, especially in the case of carcinoma. Similar changes were also observed in experiments following marked loss of blood in cats. According to modern views the endings of the preganglionic fibres consist of two constituents, viz. a neurofibrillar component in loops or reticular in form, and a protoplasmatic perifibrillar substance. The latter is demonstrable only if severe colloid changes have occurred in the neuroplasm. Experiments have shown that increased argyrophilia occurs only in the early stage (24-48 hr.) following severance of the preganglionic fibres. This subsequently disappears, simultaneous with the occurrence of Waller's degeneration. These findings were confirmed by Kolosov in 1954. The changes described in fact affected the synaptic structures rather than the dendrites of the ganglion cells of the ANS.

Brandt - Berlin (V, 1*)

LEV, I.D. (Leningrad, ul. Lebedeva, d.37a)

Interneural junctions in vegetative ganglia. Arkh.anat.gist. 1
embr. 33 no.2:73-78 Ap-Je '56. (MIRA 9:10)

1. Iz kafedry normal'noy anatomii (nachal'nik chlen-korrespondent
AMN SSSR prof. B.A.Dolgo-Saburov) Voenno-meditsinskoy ordena Lenina
akademii imeni S.M.Kirova.

(GANGLIA, AUTONOMIC, anatomy and histology,
interneural junctions (Rus))

LEV, I.D.

"Leonardo da Vinci as an anatomist" by D.A.Zhdanov. Reviewed by
I.D.Lev. Arkh.anat.gist. 1 embr. 11 no.4;89-91 O-D '56. (MLPA 10;4)
(LEONARDO DA VINCI, 1452-1519)

USSR/Human and Animal Morphology (Normal and Pathological) Nervous System. 3

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31252

Author : Lev I.D.

Inst : Not Given

Title : On the Problem Concerning the Structure of Synaptic Junctions in Sensory Ganglia.

Orig Pub : Tr. In-t eksperim. morfol. AN GruzSSR, 1957, 6, 15-17

Abstract : In the synaptic junctions in sensory cells of ganglia of the human renal plexus, during silver staining according to Gross-Bil'shove'skiy, synaptic structures are exposed with well-perceptible neurofibrillar and protoplasmic components. Preganglionic fibers terminate with round formations, surrounded by a light crown of perifibrillary substance, which differs from the protoplasm of the nerve cells. The author considers that in the case when the pericellular apparatus is represented by a small ring or eyelet, impregnation of its neurofibrillar

Card : 1/2

USSR/Human and Animal Morphology (Normal and Pathological) Nervous System. 3

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31252

skeleton occurs. If the perifibrillar substance inside the small ring absorbs the silver, then the small ring is transformed into a round formation.

Card : 2/2

IZMAYLOVA, I.V.; ISV, I.D.

Session of the Leningrad Society of Anatomists, Histologists and
Embryologists. Arkh.anat.gist. i embr. 34 no.2:124-126 Mr-Apr '67.
(ANATOMY) (HISTOLOGY) (MLA 10:10)
(EMBRYOLOGY)

LEV, I.D.

"Studies of the human body from Hippocrates to Pavlov" by Hugo
Glaser. Reviewed by I.D.Lev. Arkh.anat.gist. 1 embr. 34 no.4:
118-120 J1-Ag '57. (MIRA 10:11)
(ANATOMY, HUMAN--HISTORY) (GLASER, HUGO)

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000929420011-3"

USSR/Human and Animal Morphology (Normal and Pathological) Nervous
System

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31229

Author : Lev I.D.

Inst : Not Given

Title : Concerning Some Forms of Interneuronal Connections in
Sympathetic Ganglia.

Orig Pub : Byul. eksperim. biol. i meditsiny, 1957. 45, No 4, 116-120

Abstract : The construction of the human renal nerve network was studied.
Along with the pericellular apparatuses, many structures were
found which possess a close relationship to the capsules of
the nerve cells. Proceeding from them are compositions of one
or several nerve fibers which form numerous ramifications
around the capsule. The more complicated structures are thick
plexi of thin nerve fibers which wrap the capsule of the
nerve cells in dissimilar capsules. An afferent function of
the formations described is possible.

Cord : 1/1

USSR / Human and Animal Physiology. Nervous System.

T-10

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 3815

Author : Lev, I. D.

Inst : Not given

Title : On the State of the Synaptic Structures of the Spinal Cord Nerve Cells in Irradiated Rats

Orig Pub : Byul. eksperiment. biol. i med., 1957, 44, No 11, 109-113

Abstract : Considering the histology of the spinal cord synapses in the rat, as described in the literature, as normal, non-specific degenerative changes of various degrees in the axo-somatic, axo-dendritic and axo-vascular types of synapses were discovered on a series of microscopic slices of the spinal cord of rats that had been exposed to irradiation with a dose of 450 - 600 r and manifested signs of acute radiation disease. Alongside the altered, completely normal synapses also were found. These

Card 1/2

80

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000929420011-3"

USSR / Human and Animal Physiology. Nervous System.

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 3815

findings, on the one hand, confirm the idea on the high susceptibility of the CNS to a penetrating radiation, and, on the other, indicate its great adaptability. The rise or fall of excitability, depending on the irradiation dose, might be explained by the changes in the synapses.
-- E. I. Plonskaya

Card 2/2

TOMKOV, Vladimir Nikolayevich, prof. [deceased]; DOIGO-SABUROV, B.A.,
prof., red.; LEV, I.D., red.; RULKOVA, M.S., tekhn.red.

[Selected works] Izbrannye trudy. Pod red. B.A.Dolgo-Sabu-
rova. Leningrad, Gos.izd-vo med.lit-ry Medgiz, 1959. 356 p.
(MIRA 13:1)

1. Chlen-korrespondent AMN SSSR (for Dolgo-Saburov).
(ANATOMY)

KABAK, K.S.; KARUPU, B.Ya.; KUL'CHINSKIY, K.I.; LEV, I.D.; MAZHUGA, P.M.;
MANZIY, S.F.

Survey of work of the Sixth All-Union Congress of Anatomists, Histo-
logists and Embryologists. Arkh.anat.gist. 1 embr. 36 no.2:95-127
F '59. (MIRA 12:4)

(ANATOMY--CONGRESSES)

GRIGOR'YAN, N.I.; LEV, I.D.

Work of the editorial board of 'Arkhiv anatomii, gistologii i
embriologii' in 1958 and plans for 1959. Arkh. anat. gist. i embr.
36 no.3:108-110 Mr '59. (MIRA 12:7)
(ANATOMY--PERIODICALS)

GINZBURG, V.V. (Leningrad, 121, ul. Pisareva, d.14, kv.7); LEV, I.D.
(Leningrad, Fontanka, d.101, kv.12)

Pages from the history of Russian anatomy; activities of V.L.
Gruber in Russia, 1847-1887. Arkh.anat.gist.i embr. 37
no.8:88-102 Ag '59. (MIRA 12:11)

1. Kafedra normal'noy anatomii (nach. - chlen-korrespondent
AMN SSSR prof.B.A.Dolgo-Saburov) Voenno-meditsinskoy ordena
Lenina akademii im. S.M.Kirova).

(BIOGRAPHIES)

(ANATOMY hist)

LEV, I.D. (Leningrad, Fontanka 101, kv.12)

Collaterals in the hind leg of a dog following section of the
afferent nerves. Arkh.anat.gist.i embr. 37 no.11:38-48 N '59.

(MIRA 13:4)

1. Kafedra normal'noy anatomii (nachal'nik - chlen-korrespondent
AMN SSSR prof. B.A. Dolgo-Saburov) Voenno-meditsinskoy ordena
Lenina akademii im. S.M. Kirova.

(EXTREMITIES blood supply)

(BLOOD VESSELS physiol.)

LEV, I.D. (Leningrad, Fontanka, 101, kv.12)

From the creative legacy of A.P. Chekhov; on the hundredth anniversary of the great Russian writer's birth. Arkh. anat. gist. i embr. 38
no.1:117-122 Ja '60. (MIRA 13:7)

1. Kafedra normal'noy anatomii (nachal'nik - chlen-korrespondent AMN SSSR prof.B.A.Dolgo-Saburov) Voenno-meditsinskoy ordena Lenina akademii im. S.M.Kirova.

(CHEKHOV, ANTON PAVLOVICH--1860-1904)

GERLOVIN, Ye.Sh.; LEV, I.D.

Plenary session of the All-Union Society of Anatomists, Histologists,
and Embryologists. Arkh.anat.gist.i embr. 38 no.2:104-130 F '60.
(MIRA 14:6)

(ANATOMY)

GZGZYAN, D.M.; LEV, I.D.

State of receptors of the posterior extremity in dogs during
the development of collateral circulation and radiation
sickness. Biul. eksp. biol. i med. 49 no. 4:36-41 Sp '60.
(MIRA 13:10)

1. Iz kafedry normal'noy anatomii (nach. - chlen-korrespondent
AMN SSSR B.A. Dolgo-Saburov) i kafedry normal'noy fiziologii
(nauch.-prof. I.T. Kurtsin) Voenno-meditsinskoy ordena Lenina
akademii imeni S.M. Kirova.
(RADIATION SICKNESS) (LEG--INNERVATION) (FEMORAL ARTERY)

LEV, I.D.

Changes in the synaptic endings of the nerve cells and of the capillary walls of the spinal cord in dogs in acute radiation sickness. Biul. eksp. biol. i med. 50 no.12:94-98 D '60.

(MIRA 14:1)

1. Iz kafedry normal'noy anatomii (nachal'nik i chlen-korrespondent AMN SSSR prof. B.A. Dolgo-Saburov [deceased]) Voenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova, Leningrad. Predstavlena deystvitel'nyy chlenom AMN SSSR V.N.Chernigovskiy.

(SPINAL CORD)

(RADIATION SICKNESS)

LEV, I.D. (Leningrad)

Life and creative activities of Boris Alekseevich, Dolgo-Saburov. .
Arkhnat. gist. 1'embr. 40 no.4:3-19 Ap '61. (MIRA 14:5)
(DOLGO-SABUROV, BORIS ALEKSEEVICH, 1900-1960)

LEV, I.D. (Leningrad, Fontanka, 101, kv.12)

"Dissection of the brain" by László Komaromi. Reviewed by
I.D. Lev. Arkh. anat., gist. 1 embr. 42 no.6:124-126 Je '62.
(MIRA 15:6)

(BRAIN)

(DISSECTION)

(KOMAROMI, LÁSZLO)

TONKOV, Vladimir Nikolayevich, prof.; DOLGO-SABUROV, B.A., prof.,
red.; LEV, I.D., red.; KHARASH, G.A., tekhn. red.

[Textbook of normal human anatomy] Uchebnik normal'noi anatomii
cheloveka. Izd. 6., perer. i dop. Pod red. B.A. Dolgo-Saburova.
Leningrad, Medgiz, 1962. 762 p. (MIRA 15:11)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for
Dolgo-Saburov).

(ANATOMY, HUMAN)

127, 19.

Morphologists of Baltic languages and their position in the
conference. Arkhiv. etnol. i ist. 33 no. 3 (1964) p. 16.
(Lith. 2-3)

1. Adres avtoru: Leningrad, K 9, ulitsa Izbeyeva, 24, kafedra
normal'noy anatomii Voenno-meditsinskoy akademii Leningradskoy
Armii Vostochnoy.

KNORRE, Aleksey Georgiyevich; LEV, Ioalf Davidovich; DYSKIN, Ye.A.,
red.; KHARASH, G.A., takhn. red.

[Vegetative nervous system; a morphological study] Vegeta-
tivnaia nervnaia sistema; morfologicheskii ocherk. Lenin-
grad, Medgiz. 1963. 86 p. (MIRA 16:8)
(NERVOUS SYSTEM, AUTONOMIC)

KNORRE, A.G.; LEV, I.D.

"Structure of the peripheral nervous system in human embryogenesis" by D.M. Golub. Reviewed by A.G. Knoppe, I.D. Lev. Arkh. anat., gist. i embr. 44 no.1:119-121 Ja '63. (MIRA 16:5)

1. Peditricheskiy meditsinskiy institut, kafedra gistologii i embriologii, Leningrad, K-100, Litovskaya ul, 2 (for Knorre).
2. Voenno-meditsinskaya akademiya imeni S.M. Kirova, kafedra normal'noy anatomii, Leningrad, ul. Lebedeva, 37a (for Lev).
(EMBRYOLOGY, HUMAN) (NERVES, PERIPHERAL)
(GOLUB, D.M.)

KNORRE, A.G.; LEV, I.D. (Leningrad, Fontanka, 101, kvartira 12)

Basic controversial questions in the morphology of the vegetative nervous system. Arkh. anat. gist. i embr. 45 no.9:84-102
S'63 (MIRA 17:3)

1. Adres Knorre: Leningrad, Litovskaya ul., 2, Gosudarstvennyy pediatricheskiy meditsinskiy institut, kafedra gistologii i embriologii.

GZGZYAN, D.M. (Leningrad, F-141, ulitsa Dneprovskaya, 101, kv. 1) (11)
LEV, I.D. (Leningrad, F-51, Vozvanka, 101, kv. 1)

State of the receptor apparatus of the pelvic extremity of the rat
after excision of the femoral artery. Arkh. anat., hist. i emb.
45 no. 7:42-54 Ju 1953. (USSR 1953)

1. Institut evolyutsionnoy fiziologii imeni S. P. Pavlova
(dir. - chlen-korrespondent AN SSSR p. f. I. I. Pavlov)
normal'noy anatomii (isp. i razrab. prof. V. M. Golinov) Voenno-
imeni Kirova, Leningrad.

11, 1.

Intropshchennaya Sotsialnaya i Voenno-Meditsinskaya Shkola
Arkh. Sost. i. Sost. 46 no. 11111111.

1. Katedra normal'noy anatomii (sost. i. Sost. 11111111) i. Sost. 11111111
meditsinskoy shkoloy i. Sost. 11111111. 11111111. 11111111. 11111111. 11111111.
Leningrad, K-11, ul. Leninska, 11111111. Katedra normal'noy anatomii
Voenno-meditsinskoy shkoloy i. Sost. 11111111. 11111111.

197, 1.1. (Leningrad, Russia, 1971, 1972)

Issues and problems in the development of scientific studies
on collected bird populations. (Leningrad, 1971, no. 47 no. 3013-
12 0 1974. (MIRA 1816)

MIKHAYLOV, Sergey Sergeyevich, prof., red.; LEV, I.D., red.

[Innervation of the intra- and extracranial venous formations] Innervatsiia intra- i ekstrakranial'nykh venoznykh obrazovani. Leningrad, Meditsina, 1965. 161 p.
(MIRA 18,11)

VARANOVSKIY, Ya.M.; LEV, I.D.; SHALUMOVICH, V.N.

Use of infrared rays in studying superficial veins in man under normal and pathological conditions. Arkh.anat., gist. i embr. 49 no.10:83-89 0 '65. (MIRA 18:12)

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38
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TITLE: Machines for cleaning and insulating pipe lines 1220 mm in diameter

B

SOURCE: Stroitel'stvo truboprovodov, no.4, 1965, 25-27

TOPIC TAGS: pipeline, water supply system, pipe, alloy

ABSTRACT: Along the second section of the Kamskoye water main, in the vicinity of Naberezhnyye Chelny, a set of machines has been used for cleaning and insulating pipes 1220 mm in diameter. OM-121 is the cleaning machine, IM-121 is the insulating machine, and T-50 is the trolley suspension. The OM-121 has a 205 h.p. motor turning at 2,000 r.p.m., which drives all the assemblies. The principal units are the same as those of the OMI-12 production machine intended for cleaning pipes 1020 mm in diameter. The front operating parts of the machine consist of two rotors turning in opposite directions. One rotor has 80 scrapers, while the other has 48 flat metal brushes. The rear operating parts consists of two mats and grass brushes, which rub primer onto the pipe. For convenience in transportation, the machine is made demountable, and has a starter for use in winter weather. If needed, the machine may easily be refitted for cleaning pipes 1020 mm in diameter.

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